

ADRA1D Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20589a**Specification**

ADRA1D Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	P25100
Reactivity	Human, Rat
Predicted	Mouse, Rabbit, Bovine, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	1-30

ADRA1D Antibody (N-term) - Additional Information**Gene ID** 146**Other Names**

Alpha-1D adrenergic receptor, Alpha-1A adrenergic receptor, Alpha-1D adrenoreceptor, Alpha-1D adrenoceptor, Alpha-adrenergic receptor 1a, ADRA1D, ADRA1A

Target/Specificity

This ADRA1D antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1-30amino acids from the N-terminal region of human ADRA1D.

Dilution

WB~~1:1000

IHC-P~~1:25

FC~~1:25

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ADRA1D Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ADRA1D Antibody (N-term) - Protein Information**Name** ADRA1D

Synonyms ADRA1A

Function This alpha-adrenergic receptor mediates its effect through the influx of extracellular calcium.

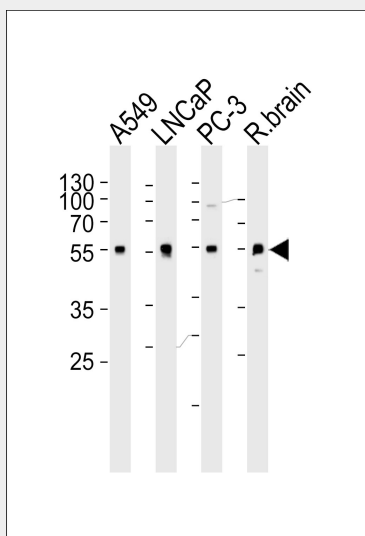
Cellular Location

Cell membrane; Multi-pass membrane protein.

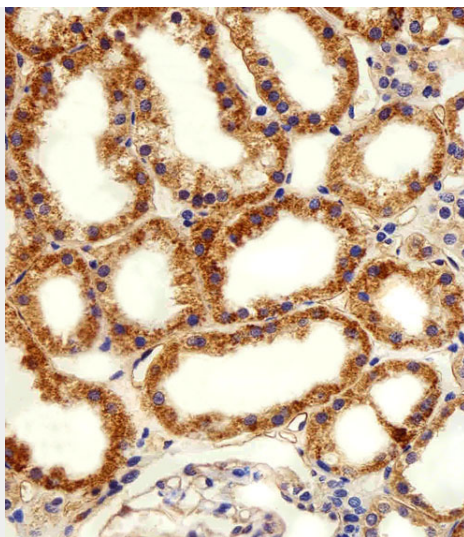
ADRA1D Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

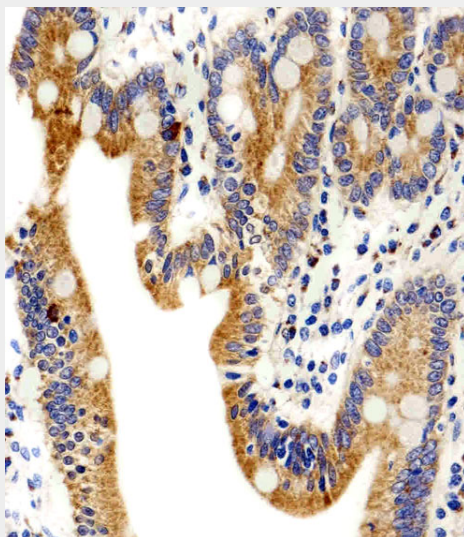
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ADRA1D Antibody (N-term) - Images

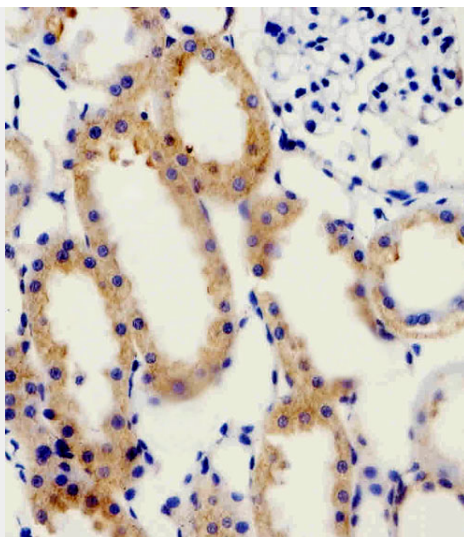
Western blot analysis of lysates from A549, LNCaP, PC-3 cell line and rat brain tissue lysate (from left to right), using ADRA1D Antibody (N-term) (Cat. #AP20589a). AP20589a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



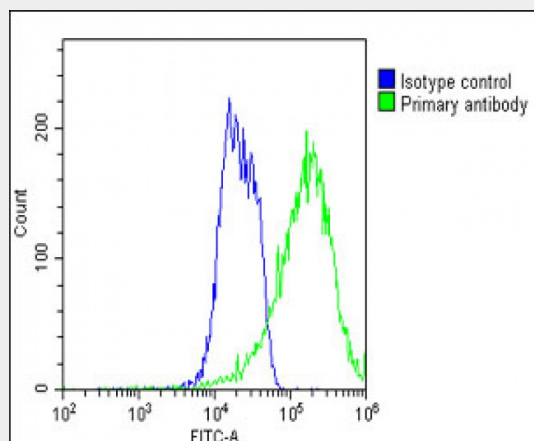
Immunohistochemical analysis of paraffin-embedded H. kidney section using ADRA1D Antibody (N-term)(Cat#AP20589a). AP20589a was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded H. small intestine section using ADRA1D Antibody (N-term)(Cat#AP20589a). AP20589a was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded R. kidney section using ADRA1D Antibody (N-term)(Cat#AP20589a). AP20589a was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Overlay histogram showing MCF-7 cells stained with AP20589a (green line). The cells were fixed with 2% paraformaldehyde 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP20589a, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (1583138) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

ADRA1D Antibody (N-term) - Background

This alpha-adrenergic receptor mediates its effect through the influx of extracellular calcium.

ADRA1D Antibody (N-term) - References

Bruno J.F., et al. Biochem. Biophys. Res. Commun. 179:1485-1490 (1991).
Forray C., et al. Mol. Pharmacol. 45:703-708 (1994).
Schwinn D.A., et al. J. Pharmacol. Exp. Ther. 272:134-142 (1995).
Weinberg D.H., et al. Biochem. Biophys. Res. Commun. 201:1296-1304 (1994).
Esbenshade T.A., et al. Mol. Pharmacol. 47:977-985 (1995).

ADRA1D Antibody (N-term) - Citations

- [Bim, Puma and Noxa upregulation by Naftopidil sensitizes ovarian cancer to the BH3-mimetic ABT-737 and the MEK inhibitor Trametinib](#)